

CLAIMS

1. A die for die-casting in which a casting is produced by injecting molten metal from a gate into a cavity, with the air in the cavity replaced by an active gas, the die for die-casting comprising:

a cylinder through which the gate extends; and
a rod accommodated in the cylinder so as to be movable and adapted to adjust the flow passage area of the gate,

wherein, in order that a minimum flow passage of the gate may be formed between an end surface of the rod and a bottom surface of the cylinder when the end surface abuts the bottom surface, the end surface and the bottom surface are equipped with a minimum flow passage defining portion.

2. A die for die-casting according to Claim 1, further comprising a first die and a second die, wherein

a side surface of the cylinder is formed in one of the first die and the second die, and

the bottom surface of the cylinder constitutes a mating surface of the other of the first die and the second die.

3. A die for die-casting according to Claim 2, wherein the minimum flow passage defining portion comprises the end surface of the rod and a recess formed in the mating surface.

4. A die for die-casting according to Claim 2, wherein the

minimum flow passage defining portion comprises a recess formed in the end surface of the rod and the mating surface.